

## DAILY FIELD ACTIVITY REPORT

**PROJECT NAME:** Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

<b>DATE:</b> April 5, 2018	<b>WEATHER:</b> Light to moderate rain, calm, high ~55 degrees F
<b>Personnel and Visitors Onsite:</b>  Research vessel Cayuse – <u>CDM Smith</u> : Julee Trump; <u>AECOM/Geosyntec</u> : Luke Smith, Mark Tauscher; <u>Gravity Marine</u> : Charles Kellogg, Jeff Wilson  Research vessel Tieton - (no oversight representative) <u>AECOM</u> : David Hose; <u>Geosyntec</u> : Adam McGuire; <u>Gravity Marine</u> : Rene Trudeau, Ryan McEliece	
<b>Planned Activity:</b> <ul style="list-style-type: none"><li>• Research vessel Cayuse – Reconnaissance of downtown and upriver (D/U) reaches for areas with appropriate grain size for sample collection.</li><li>• Research vessel Tieton - Collect surface sediment samples at stratified random sample locations near River Mile (RM) 3.</li></ul>	
<b>Activity Completed:</b> <p>The Cayuse and Tieton had separate tailgate meetings because the Cayuse was anticipating a long day and, so started at 07:30, and the Tieton started at the usual 08:00. AECOM lead discussion of daily activities and associated hazards, including potential for contaminated sediment, glove use and required PPE, and other related H&amp;S topics. Boat specific orientation was led by Gravity, and locations and functionality of AED, First Aid, spill prevention, boat communication, pinch points, and other boat specific hazards were discussed.</p> <p>Julee Trump performed oversight of D/U reconnaissance on the Willamette River from 07:30 to 18:10 on board the Cayuse. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:</p> <ul style="list-style-type: none"><li>• Collected grab sediment samples using a ponar grab sampler between D/U reaches from RM 20.2 and RM11.7 for grain size reconnaissance. Locations for sampling were chosen from previous days sonar and probing measurements to target primarily suspected “soft” locations with high fines content per the FSP. A few “medium” and deeper locations (not probed) were sampled for comparison and confirmation of probing and sonar screening techniques.</li><li>• For each sample, percent fines was determined by wet sieving a 200 milliliter (ml) grab samples through a #200 sieve to remove all fines, scooping out the remaining fraction and measuring the volume.</li><li>• Sonar data was collected along the channels west of Ross Island, and within Ross Island for partial reconnaissance of these areas.</li></ul> <p>Julee Trump received updates from the Tieton for surface sediment sampling at the end of the day. The following work was completed:</p> <ul style="list-style-type: none"><li>• 3-point composite surface sediment samples were collected from 7 random stratified sampling locations near RM 3.</li></ul>	
<b>Status of Schedule &amp; Priority Work:</b> <ul style="list-style-type: none"><li>• The exploratory probing of the D/U reach will continue tomorrow on the west side of the channel. The remainder of the week will involve collecting test samples for visual inspection and sieve analysis to evaluate the percent fines. This cumulative analysis (i.e., sonar, rod, and sieve samples) will be used to map locations of areas estimated to contain &gt;35 percent fines, and sampling locations for the D/U reaches will be updated as necessary based on this mapping.</li><li>• Random stratified sampling is proceeding on schedule, and will continue for the remainder of the week with one day off this weekend and crew rotation to keep within maximum hours allowed per week.</li></ul>	
<b>Issues/Concerns/Resolutions (include work performed that was not planned or anticipated):</b> <p>None, sampling was performed in accordance with the FSP.</p>	

**Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type):**

On the Cayuse, nearly 40 reconnaissance grab samples were collected and screened for grain size. Sonar data was collected as described above. None of these samples were sent for analysis.

7 samples were collected on the Tieton near RM3 at stratified random surface sediment locations.

Photographs of work were taken through the day on board the Cayuse and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

**Borings Completed (Include total footage drilled for each boring):**

None

**Wastes Generated and How Handled:**

Excess sediment in the grab sampler and in the sampling bowls is rinsed back into the river per the FSP.

Disposable gloves, paper towels and other general trash was containerized in a trash bag and is typically removed and disposed of in a municipal waste management dumpster on a semi-daily basis.

**Health and Safety Issues, Equipment Needs, Staffing:**

None, work conducted in accordance with the HASP and HASP addendum

**Signature:**      Julee Trump

**DATE**      April 5, 2018